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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE
TC.3700 MAIL ROOM

3726
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12/15/03
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IN THE MATTER OF:

APPLICANT: ANTONIO JOSE DE ARAUJO PORTO

APPLICATION NO.: 09/837,951

EXAMINER: Trinh T. Nguyen

FILED: April 19, 2001

GROUP ART UNIT: 3726

FOR: METHOD OF MANUFACTURE AN ENTIRE PISTON, AND FORGING TOOL

December 23, 2002

AMENDMENT

Hon. Commissioner of Patents
and Trademarks
Washington, D.C. 20231

S I R:

In response to the Office Action of November 14, 2002,
please amend as follows:

IN THE SPECIFICATION:

Page 8, after line 19: insert the following:

Do not
enter
TTN
1/15/03

Sub D17

C1

-- In the initial manufacturing step (A)
a rod-like and optionally cylindrical blank
(1) is upset and provided with a skirt 22 and
a cavity 2, whereby contours 3-6 are shaped
onto the skirt 22 along a longitudinal axis
' in the vicinities of its inner and outer
circumferences 3 and of its upper and lower
faces 4. In the subsequent manufacturing step (B)
further contours 6 are shaped onto the
preliminarily-shaped piston 7 along another
axis 1" by forging at approximately 90° to
the first axis 1', especially the
longitudinal axis. --

IN THE CLAIMS:

10

Change claim 45 to read as follows:

C2

-- 16. A method of manufacturing an entire piston for
internal-combustion engines comprising the steps of: